

FRACTIONAL HORSEPOWER MOTORS



Check these points

- ✓ EXAMINE the motor to see that it has not been damaged in shipment
- ✓ CHECK line voltage with nameplate rating
- ✓ CONNECT the motor as shown inside this folder or as shown on inside of terminal box cover
- ✓ CHECK rotation under no-load conditions

Thank you for buying this motor manufactured by

CANADIAN GENERAL ELECTRIC COMPANY LIMITED
PETERBOROUGH, ONTARIO

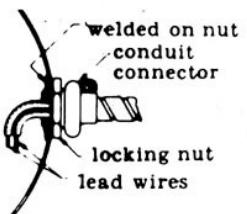
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PGEI-1254AL

INSTALLATION AND MAINTENANCE INSTRUCTIONS

POWER SUPPLY AND CONNECTIONS

1. The motor must be connected to a power supply corresponding to the voltage and frequency rating shown on the motor nameplate. Connect the power supply to the motor terminals, as shown on the appropriate connection diagram. The diagrams only cover standard single and dual voltage, single speed motors. All motors with the exception of single voltage, single speed, have a connection diagram fastened to the inside of the motor terminal box cover, which should be used for connecting the motor.
2. If the wires connecting power to the motor are passed through conduit, use the speed nut welded inside the motor shell for fast attachment of conduit connectors from outside the motor. Use a screwdriver to pry out conduit opening plug.
3. Wiring should be done in accordance with the electrical code which governs local wiring.



GROUNDING

Both your CGE motor and the equipment or apparatus to which it is connected should be grounded as a precaution against the possibility of electrical shock. Ground your motor by running a copper grounding wire from the motor to a water pipe or other recognized grounding electrode as instructed in your electrical wiring code. Remove paint from points of connection to assure positive electrical contact. As a special feature, CGE motors have a built-in grounding lug, located in the connection box for convenient connection of the grounding wire to the motor.

CARE

If the motor is belted to its load, use a light flexible belt tightened just enough to prevent slipping. Keep the motor clean and dry.

LUBRICATION

Sleeve bearing motors are designed for horizontal shaft mounting, with

oil holes or hinged lid oilers. For normal service, re-oil with a good grade of machine oil SAE 20, when motor is put in service, and after each 5,000 hours of operation thereafter. For special severe conditions consult the Canadian General Electric Company Limited.

Motors having ball bearings are packed with grease sufficient for about ten years of normal service. To re-grease, dismantle the motor and clean out the old grease from the bearing and housing. Pack the spaces between the balls and the cages of the bearing with new grease. Fill the bearing housing half full of grease.

CGE long-life grease GE6298 is recommended for all applications except extreme moisture. For extreme moisture conditions, such as outdoor service, CGE water resistant 4739 grease is recommended.

BUILT-IN MOTOR PROTECTOR

When motor is equipped with a Thermal Overload Protector it is protected from overheating. If the motor stops for other than normal reasons it may be due to the operation of the protector. Motors equipped with manual re-set protectors can be restarted by pushing the red button on the end-shield or stator shell, after the motor cools. Motors equipped with automatic protectors will start automatically, after the motor cools.

SERVICE

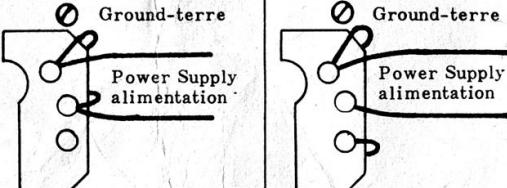
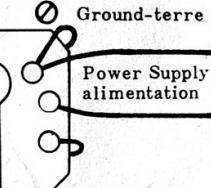
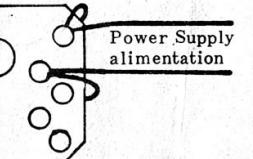
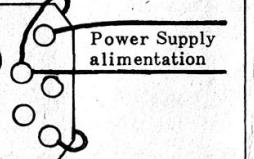
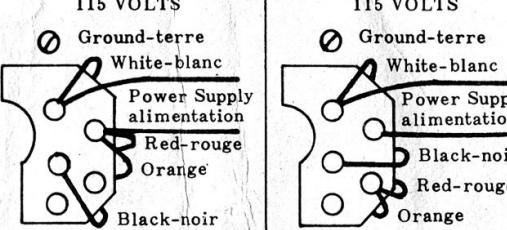
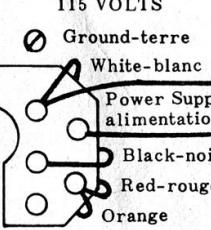
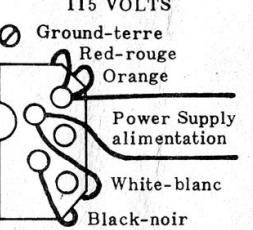
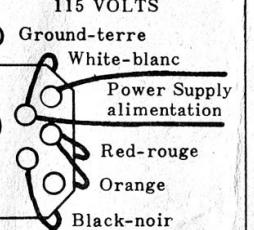
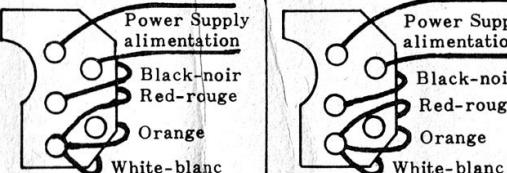
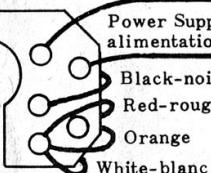
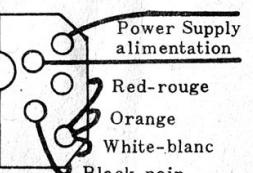
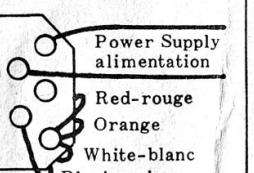
Your CGE motor should be serviced only by qualified persons who have the proper tools and equipment. Fast, dependable in-warranty and out-of-warranty service for your motor can be obtained from any of the Canadian General Electric authorized Small Motors Service Stations.

RENEWAL PARTS

Use only genuine CGE Renewal Parts.

1. When ordering be sure to specify model number and complete nameplate data. Also describe the part and specify quantity required.
2. For information and service refer to your nearest CGE authorized Small Motors Service Station or CGE Sales Office.

CONNECTION DIAGRAMS—SINGLE PHASE MOTORS—TYPE KH & KC
SCHEMAS DE BRANCHEMENT—MOTEURS MONOPHASÉS—MODÈLES KH & KC

FRAME 30 SERIES		SÉRIE DE BÂTIS-30	FRAME 40 SERIES		SÉRIE DE BÂTIS-40
All frame series beginning with digit 3		tous les numéros de série des bâts commencent par 3	All frame series beginning with digit 4 or 5		tous les numéros de série des bâts commencent par 4 ou 5
Single Voltage Tension unique	No Protector Pas de protection	With Thermal Protector Protection thermique		No Protector Pas de protection	With Thermal Protector Protection thermique
					
Dual Voltage Double tensions	115 VOLTS	115 VOLTS		115 VOLTS	115 VOLTS
					
	230 VOLTS	230 VOLTS		230 VOLTS	230 VOLTS
					
<p>Reverse rotation by interchanging the two leads from motor windings</p> <p>Changez le sens de rotation en inversant les deux conducteurs du bobinage du moteur</p> <p>Counter clockwise rotation shown</p> <p>Reverse rotation by interchanging red and black leads</p> <p>Rotation donnée dans le sens inverse des aiguilles d'une montre</p> <p>Changez le sens de rotation en inversant les conducteurs rouge et noir</p>					

On Type K or KR Polyphase Motors, to reverse rotation, interchange any two power supply line leads.

Sur les moteurs polyphasés, modèles K ou KR, pour changer le sens de rotation,

interchangez deux conducteurs quelconques des lignes d'alimentation.

CANADIAN GENERAL ELECTRIC Authorized SMALL MOTOR SERVICE STATIONS

These service shops are fully equipped and well qualified to provide, at reasonable rates, prompt and effective repair service, either within or beyond the warranty period. Users are, therefore, advised to have such repair work done only at C.G.E. Authorized F.H.P. Motor Service Shops.

STATIONS DE SERVICE POUR MOTEURS DE PETITE PUISSANCE reconnues PAR LA COMPAGNIE CANADIAN GENERAL ELECTRIC

Ces ateliers de réparation sont entièrement équipés et qualifiés pour assurer des réparations efficaces, rapides et à des prix raisonnables pendant ou après la durée de la garantie. Les clients sont donc avertis que leurs réparations doivent être faites uniquement dans les stations de service pour moteurs de petite puissance reconnues par C.G.E.

EASTERN PROVINCES

Bathurst, N.B.	Montreal Armature Works
Charlottetown, PEI	Palmer Electric
Digby, N.S.	Clare Elec. Motor Repair
Fredericton, N.B.	Electric Motor Service
Halifax, N.S.	Nova Scotia Armature Works
Moncton, N.B.	R.K. Buzzell Ltd.
St. John, N.B.	John A. Kennedy & Co. Ltd.
St. John's Nfld.	Powerlite Electric Ltd.
Sydney, N.S.	D.D. MacEachern
Truro, N.S.	Smith Electric
Wolfville, N.S.	Industrial Electrics

QUEBEC

Chicoutimi	Les Enterprises El. Gilbert
Cowansville	Les Reparations De Moteurs
Drummondville	Électrique De Cowansville
Farnham	J.R. Morn
Gatineau	Meunier Électrique
Granby	Michel Themelis
Iberville	Donat Rivard
Lachute	Refilage Mtr. Elect. Enr.
L'Islet	Fermini Motor Repair
Longueuil	Gaudreau Equipment El. Enr.
Montreal	Roy Electric
Montreal	Excel Électrique
Montreal	Laval Electric
Montreal	Lessagé Electric
Quebec City	Snowdon Elec. Mtr. Repair
Quebec City	Electro Mecanik
Rimouski	Hector Roberge Inc.
Rivière Du Loup	Belanger & Fils Enr.
Rouyn	Magella Vailancourt Elec.
Sept Iles	T.V. & Motors Ltd.
Shawinigan	Woods Electrical Equip.
Sherbrooke	P.M. Moteur Électrique
St. Gabriel de Brandon	Do Mar Électrique Inc.
St. Georges de Beauce	Reparation A.R. (Enrg.)
St. Hyacinthe	St. Georges Auto Elec. Inc.
St. Marc Des Carriers	Messier Électrique Enr.
Ste Agathe	J.R. Perreault & Fils Ltee.
Thetford Mines	Parent & Fils Electric
Trois Rivières	Thetford Armature Works
Valleyfield	"M" Électrique
Victoriaville	J.H. Sauve & Fils
	Baril Électrique Enr.

ONTARIO

Barrie	Wallwin Electric
Bellefonte	E.M.S.C.O.
Brantford	Holt Electric
Brockville	Greenwood Electric
Chatham	Chandler Electric
Cornwall	Surgeson & Son
Elliot Lake	Northern Armature Works
Fordwich	John Wilson Electric
Guelph	Harlock Schultz Electric
Hamilton	Burley Electric
Hamilton	E.M.S.
Hanover	Fischer & Harris
Huntsville	Ross Electric
Kingston	Keith Hay Electric
Kitchener	Sutherland Schultz Electric
Leamington	A.C. Fox & Co. Ltd.
Lindsay	Jordan's Electric
London	Toll Morris Electric
Midland	Rene Electric

ONTARIO (cont'd)

Montreal	450 Main St.	Niagara Falls	A & S Electric Mtr. Service
	96-100 Fitzroy St.	North Bay	Service Electric Ltd.
	St. Bernard	Oakville	Naylor Electric Service
	129 Westmbrland St.	Orillia	Orser Electric Ltd.
	2453 James St.	Oshawa	Frank Sullivan & Assoc.
	65 Pacific Ave.	Ottawa	C.C.B.
	181 Rothesay Ave.	Owen Sound	E.M.S. Electrical Ltd.
	408 Water St.	Pembroke	Kieth's Electric Mtr. Service
	138 Prince St.	Peterborough	Valley Elec. Mtr. Service
	28 Mill St.	Peterborough	Dependable Elec. Mtr. Ser.
	Box 680 Greenwich	Richmond Hill	Larry Electric Mtr. Ser.
		Sarnia	C.A.F. Electric
		Sault Ste. Marie	Delta Elec. Mtr. Ser.
		Simcoe	Quality Electric
		Stratford	Gauld Elec. & Mtr. Ser.
		St. Catherines	Henning Electric
		St. Thomas	Blankhorn & Sawle
		Sudbury	Kaupp Electric
		Thunder Bay "F"	Wilson & Sommerville Ltd.
		Thunder Bay	Burke Electric
		Timmins	C.E.M.C.O.
		Toronto	Mahon Electric
		Toronto	Merce Electric
		Vineland	Gen Electric
		Windsor	Electric Motor Service
		Woodstock	J.B. Electric
			L.N. Electric
			Cyril B. Smith
			Moncur Elec. Mtr. Ltd.
			Reliable Elec. Sales & Ser.

WESTERN PROVINCES

Manitoba	Brandon, Man.	Sharpes Auto Electric	144-12th St.
	Calgary, Alta.	Grover & Longmate Ltd.	339-2nd Ave. W.
	Calgary, Alta.	Sta. Electric Ltd.	3525 - 62 Ave. S.E.
	Coquitlam, B.C.	Fox Fox Elec. Mtr. Ser.	654 Austin Rd.
	Cranbrook, B.C.	Punch Sales & Service	1716 Cranbrook St N
	Edmonton, Alta.	Custom Mtr. Rewinding Ltd.	8124 Davies Rd.
	Edmonton, Alta.	Electrical Industries 1962	10136 - 11th St.
	Edmonton, Alta.	Electric Motor Service	10589 - 106th St.
	Edmonton, Alta.	Scona Electric	9950 - 75th Ave.
	Grande Prairie, Alta.	Metro Services	11032 - 100 St.
	Kamloops, B.C.	Kamloops Elec. Mtr. Sales	244 Lorne St.
	Kelowna, B.C.	Thompson Elec. Mtr. Ser.	1090 Richter St.
	Lethbridge, Alta.	Hager Electric	1202 - 2nd Ave. S.
	Medicine Hat, Alta.	Acme Electric Mtr. Ser.	1102 - 7th Ave. S.E.
	Moose Jaw, Sask.	Western Elec. Mtr. Ser.	240 High St. W.
	Nanaimo, B.C.	A.C. Elec. Mtr. Ser. Ltd.	16 Nicol St.
	Nelson, B.C.	Coleman Electric	502 Front St.
	North Battleford, Sask.	Refrigeration Sales & Serv.	10030 Thatcher Ave. .
	Penticton, B.C.	A.C. Motor Electric	259 East Okanagan Ave.
	Prince Albert, Sask.	P.A. Electric Ser. Centre	129 - 16th St. W.
	Prince George, B.C.	Bater Electric	1770B S. Quinn St.
	Prince Rupert, B.C.	Rupert Rewind Ltd.	722 - 2nd West,
	Red Deer, Alta.	Cormac Auto Elec. Ltd.	5301 Gaetz Ave.
	Regina, Sask.	Capital Elec. Mtr. Repair	1435 Cornwall St.
	Regina, Sask.	Electric Motor Service	1234 Scarth St.
	Saskatoon, Sask.	H. Lambert Elec. Co. Ltd.	114 - 176 Ave. A North
	Saskatoon, Sask.	Industrial Motor Electric	417A - 42nd Ave.
	Swift Current, Sask.	United Motor Electric	141 - 8th Ave. NW
	Vancouver, B.C.	Armature Electric Ltd.	55 West 8th St.
	Vancouver, B.C.	Drakes Universal Sales & Ser.	260 Raynur Ave.
	Vancouver, B.C.	Regal Controls Ltd.	1156 Kingsway
	Victoria, B.C.	John Stefanic, Ltd.	2021 Douglas St.
	Victoria, B.C.	Troy Electric	2333 Government St.
	Whitehorse, Yukon	Whitehorse Electric	P.O. Box 254
	Winnipeg, Man.	Luke's Elec. Mtr. & Machy	318 Notre Dame Ave.
	Winnipeg, Man.	Kings Electric	835 Main St.